

ABSTRACT OF THE DISCLOSURE

A scan-based state save and restore method and system for inactive state power reduction. An integrated circuit that has an inactive state has normal circuitry and scan circuitry. Upon receipt of a sleep signal, the state of the normal circuitry is accessed by  
5 employing scan circuitry. The state is then stored in a memory. The power is disconnected from the normal circuitry. Upon wake-up, the normal circuitry is re-connected to the power. The state of the circuit is accessed from the memory and restored to the normal circuitry by employing scan circuitry.

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